

**In the claims:**

1 - 98. (Cancelled)

99. (New) A system for culturing cells and or tissue, the system comprising at least one disposable device for axenically culturing and harvesting cells and/or tissue in at least one cycle, wherein said device comprises a sterilisable disposable container which comprises a reusable harvester which comprises a flow controller for harvesting of at least a desired portion of culture medium containing cells and/or tissues when desired, and wherein said device can be used continuously for at least one further consecutive culturing/harvesting cycle, wherein a remainder of said medium containing cells and/or tissue, remaining from a previous harvested cycle, may serve as inoculant for a next culture and harvest cycle.

100. (New) The system of claim 99, wherein said cells and/or tissue are plant cells and/or plant tissue.

101. (New) The system of claim 100 wherein said plant cells are selected from the group consisting of celery cells, ginger cells, horseradish cells, carrot cells, *Agrobacterium rhizogenes* transformed root cells, alfalfa cells, tobacco cells, and tobacco cell line cells.

102. (New) The system of claim 99, wherein said container is made from a material selected from the group comprising polyethylene, polycarbonate, a copolymer of polyethylene and nylon, PVC and EVA.

103. (New) The system of claim 102, wherein said container is made from a laminate of more than one layer of said materials.

104. (New) The system of claim 99, wherein said device further comprises at least one air inlet for introducing sterile gas in the form of bubbles into said culture

medium through a first inlet opening, and wherein said air inlet is connectable to a suitable gas supply.

105. (New) The system of claim 104, wherein said at least one air inlet comprises at least one air inlet pipe connectable to a suitable air supply and in communication with a plurality of secondary inlet pipes, each said secondary inlet pipe extending to a location inside said container, via a suitable inlet opening therein, for introducing sterile gas in the form of bubbles into said culture medium.

106. (New) The system of claim 105, wherein said location inside said container is at or near the bottom of said container

108. (New) The system of claim 99, wherein said device comprises a substantially box-like geometrical configuration, having an overall length, height and width, and having a height-to-length ratio between about 1 and about 3, and preferably about 1.85, and a height to width ratio between about 5 and about 30, and preferably about 13.

109. (New) The system of claim 99, wherein said device comprises a substantially cylindrical-like geometrical configuration, which comprises a height to width ratio between about 2.5 and about 5, and preferably about 2.7.

110. (New) The system of claim 104, wherein at least some of said gas bubbles comprise a mean diameter of between about 1 mm and about 10 mm.

111. (New) The system of claim 104, wherein at least some of said gas bubbles comprise a mean diameter of about 4 mm.

112. (New) The system of claim 99, wherein said harvester is located near the bottom of a bottom end of said container, such that at the end of each harvesting cycle said remainder of said medium containing cells and/or tissue automatically

remains at said bottom end of said container up to a level below the level of said harvester.

113. (New) The system of claim 99, wherein the bottom end of said container comprises upwardly sloping walls

114. (New) The system of claim 99, wherein said container comprises an internal fillable volume of between about 50 liters and 200 liters or more, and most preferably about 100 liters.

115. (New) The system of claim 99, further comprising a support structure for supporting said device.

116. (New) The system of claim 115, wherein said support structure comprises a rigid cylindrical frame having opposed frames and a conical base.

117. (New) The system of claim 99, which comprises a battery of at least two said disposable devices.

118. (New) The system of claim 117, wherein said devices are supported by a suitable support structure via an attacher of each said device.

119. (New) The system of claim 117, wherein an additive inlet of each said device is suitably connected to a common additive inlet piping having a free end optionally comprising suitable aseptic connector thereat.

120. (New) The system of claim 117, wherein said harvester of each said device is suitably connected to a common harvesting piping having a free end optionally comprising suitable aseptic connector thereat.

121. (New) The system of claim 117, wherein said air inlet of each said

device is suitably connected to a common air inlet piping having a free end optionally comprising suitable aseptic connector thereat.

122. (New) The system of claim 121, wherein said free end is connectable to a suitable air supply.